SERIAL NO. ATTY DOCKET NO. 2003JP323 April 10, 2006 INFORMATION DISCLOSURE CITATIO Toshimichi MAKII et al. (Use several sheets if/necessary) FILING **GROUP** JAN 0 8 2007 10/575,338 1752 1753 U.S. PATENT DOCUMENTS **EXAMINER** FILING DATE DOCUMENT NUMBER CLASS SUBCLASS INITIAL IF APPROPRIATE 260 93.7 3,666,743 5/30/1972 Bower et al. 2/2/1971 P.T.R./ 12/17/1976 191 /P.T.R./ 4,115,128 9/19/1978 430 Kita 4/24/1978 286.1 430 4,247,611 1/27/1981 /P.T.R./ Sander et al. 430 192 4,275,139 6/23/1981 Stahlhofen 11/1/1979 /P.T.R./ 11/14/1983 430 270 4,506,003 3/19/1985 Ruckert et al. /P.T.R./ 430 325 4,506,006 3/19/1985 Ruckert 12/14/1982 /P.T.R./ 430 170 4/23/1997 5,942,367 8/24/1999 Watanabe et al. /P.T.R./ 192 430 1/27/1998 5,942,369 8/24/1999 Ota et al. /P.T.R./ P.T.R./ 6,737,212 B1 5/18/2004 Takahashi 430 191 10/4/2000 430 /P.T.R./ 2003/0059706 A1 3/27/2003 Misumi et al. 190 3/5/2003 380 P.T.R./ 278 7/18/2003 2004/0017917 A1 1/29/2004 Hammersmith et al. **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO /P.T.R./ GB 2 172 117 A 9/10/1986 **GREAT BRITAIN** JP 4-182650 A 6/30/1992 JAPAN. /P.T**:**R./ /P.T.R./ JP 7-219216 A 8/18/1995 **JAPAN** /P.T.R./ JP 9-15850 A 1/17/1997 **JAPAN** /P.T.R./ JP 10-207057 A 8/7/1998 **JAPAN** OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) English Language Abstract of JP 4-182650 A. P.T.R./ English Language Abstract of JP 7-219216 A. /P.T.R./ EXAMINER /Ponder Thompson Rummel/ DATE CONSIDERED 07/12/2007 \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not

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/P.T.R./		JP 10-204125 A	8/4/1998	JAPAN	4		1	150	NU		
/P.T.R./		JP 53-133429	11/21/1978	JAPAN	4		<del>                                      </del>				
/P.T.R./		JP 54-23570 B2	8/15/1979	JAPAN	4			<del> </del>			
/P.T.R./		JP 55-73045 👓	6/2/1980	JAPAN	٧			<del> </del>			
/P.T.R./		JP 56-30850 B2	7/17/1981	JAPAN	٠						
		OTHER DOCUME	I ENTS (Includir	ng Autho	r, Title, Date, Pertinen	L at Pages, Etc	_ <del></del> .)	<u></u> -	<u> </u>		
/P.T.R.		English Language Abstract of JP 9-15850 A.									
/P.T.R./		English Language Abstract of JP 62-124556 A.									
EXAMINER	Pon:	der Thompson Rummel/			DATE CONSIDERED	07/12/2	2007				
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	_		FORE	EIGN PAT	ENT DOCUMENTS							
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSI YES	NO			
/P.T.R./		JP 57-37349 A	3/1/1982	JAPA	N							
/P.T.R./		JP 58-114031 A	7/7/1983	JAPAI	N							
/P.T.R./		JP 61-205933 A	9/12/1986	JAPAI	N							
/P.T.R./		JP 62-124556 A	6/5/1987	JAPAI	N							
/P.T.R./		JP 62-215947 A	9/22/1987	JAPAN	N							
		OTHER DOCUME	ENTS (Includir	ng Autho	or, Title, Date, Pertinent P	ages, Etc	.)					
/P.T.R.		English Language Abstract of JP 62-215947 A.										
/P.T.R.		English Language Abstract of JP 63-10153 A.										
EXAMINER	/P	onder Thompson Rumme	əl/ ·		DATE CONSIDERED 07/12/2007							
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		DOCUMENT NUMBER DATE				COUNTRY	CLASS	SUBCLASS	TRANSL YES	NO		
/P.T.R./		ЈР €	63-10153 A	1/16/1988	JAPAN	4						
/P.T:R./		JP 6	64-3647 A	1/9/1989	JAPAN	N .			·			
/P.T.R./		JP 2	2001-174990 A	6/29/2001	JAPAN	Y						
/P.T.R./		JP 2	2001-281863 A :	10/10/2001	JAPAN	А			1			
/P.T.R./		JP 2	2001-312060 A	11/9/2001	JAPAN	N			1			
	_		OTHER DOCUME	ENTS (Includin	ng Autho	or, Title, Date, Pertinen	nt Pages, Etc	.)				
/P.T.R./			English Language Abstract of JP 64-3647 A.									
/P.T.R./			English Language Abstract of 2001-281863 A.									
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/P.T.R./		JP 2002-258479 A	9/11/2002	JAPAN			<del></del>	YES	NO .			
/P.T.R./		JP 2002-365799 A	12/18/2002	JAPAN				<del> </del>	+			
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